
Library Construction Report

This report covers the period up to August 13, 2019.

Most of the work over the last week has been focused on the first wall pour of the lower level of the Library building and foundation. This pour was approximately 25% of the foundation wall and basically is the area at the east end of the site, immediately adjacent to the stream and the Young's house on Russel Ave.

Being the first wall pour, a lot of details had to be pulled together that impact the rest of the building construction, related to structural details and design. This was time consuming, but now most of those details will carry forward to the rest of the foundation wall and the rest of the wall pours should proceed smoothly.

There are still a few unanswered details related to the deck that faces Russel Ave, but those are scheduled to be completed by the 19th so that the structural steel can be ordered and delivered to the site this Fall.

While not set in stone at this point, or cast in concrete, the next pour is being planned for August 26th with the final pour the week of September 9th. Keep in mind that this is an estimate at this point and things could change as we move through the next few weeks.

All joints between wall pours will be connected by a re-bar structure and a keyway in the wall between sections to make a solid connection. Additionally, "bentonite", a product specifically formulated for the purpose, will be placed between the seams to prevent any moisture flow through the seam. Finally, a seam seal product will be applied to the exterior seam prior to the whole foundation being waterproofed.

Phi is hoping to begin the deck construction (the floor of the library) on the on the recently poured wall section, once the forms are stripped and it has had time to cure. Backfilling of the lot will coincide with the construction of the decking system, to eliminate any deflection of the concrete. They hope to have the deck constructed and begin framing for the walls around the second week of October. Again, this is an estimate at this point. The roof trusses will be completed and delivered so they are on site. The hope is to have the roof on the building by Christmas. If the contractor has his way, he is doing everything possible to get it done prior.

There is an incredible amount of work and detail that is going into the footings, foundation, and drainage for this building. All of this work will remain unseen for the life of the building, so getting it right at this point will make the difference between the library being a 50-year structure and a 100 year structure. The team is working hard to ensure that everything is done right.



Every truck delivery of concrete, is tested for a variety of properties to ensure the strength and consistency of the final product. Sample cylinders are collected and cured to test for hardness.

The pictures below show the various conduits that are being installed for the utilities.



Phi had a large concrete pump truck come to the site that was able to pump from Limerock street to the far side of the lot, eliminating the need to restrict flow of traffic on Russel Ave.





